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**Fax Transmission** | October 27, 2003

TO: Commissioner for Patents  
Attn: Examiner Anya  
P.O. Box 1450  
Alexandria, VA 22313-1450

FROM: George Lewis

OUR REF: 40062.0137us01  
TELEPHONE: 303.357.1639

Total pages, including cover letter: 4

PTO FAX NUMBER 1-(703) 746 7431

If you do NOT receive all of the pages, please telephone us at 303.357.1639, or fax us at 303.357.1671.

Title of Document Transmitted: Proposed Claims  
Applicant: Cabrera et al.  
Serial No.: 09/450,364  
Filed: 11/29/99  
Group Art Unit: 2126  
Our Ref. No.: 40062.0137us01  
Confirmation No. 7529

Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate.

By: \_\_\_\_\_  
Name: George C. Lewis  
Reg. No.: 53,214

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

GEN033.DOT

Interview with Lewis Nov 3 @

10 am

**Applicant Initiated Interview Request Form**

Application No.: 09/450,364 First Named Applicant: Luis Felipe Cabrera  
 Examiner: Anya, Charles E. Art Unit: 2126 Status of Application: Final Rejection

**Tentative Participants:**

(1) Charles Anya (2) George Lewis  
 (3) \_\_\_\_\_ (4) \_\_\_\_\_

Proposed Date of Interview: 11/3/03 Proposed Time: \_\_\_\_\_ (AM/PM)

**Type of Interview Requested:**

(1) ☒ Telephonic (2) ☐ Personal (3) ☐ Video Conference

Exhibit To Be Shown or Demonstrated: ☒ YES ☐ NO

If yes, provide brief description: Draft Claims

**Issues To Be Discussed**

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
Rej. (1) _____	Claims 1, 6, 31	D'Errico US6457139	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rej. (2) _____	Cls 11, 29, 30	Same	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Continuation Sheet Attached

**Brief Description of Arguments to be Presented:**

Additional structure provided in claims distinguishes D'Errico.

An interview was conducted on the above-identified application on \_\_\_\_\_.

**NOTE:**

This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

\_\_\_\_\_  
 (Applicant/Applicant's Representative Signature)

\_\_\_\_\_  
 (Examiner/SPE Signature)

This collection of information is required by 37 CFR 1.133. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 31 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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**Proposed claims:**

1. (currently amended) A storage management system on a computer comprising a volume provider to map a logical storage volume onto one or more storage devices of an external storage subsystem, wherein the volume provider presents an application programming interface (API) for receiving storage access information that characterizes behavioral attributes of the logical storage volume.

6. (proposed) The storage management system of claim 1 wherein the volume provider configures the logical storage volume as a function of the storage access information and physical characteristics of the one or more storage devices of the external storage subsystem.

31. (newly proposed) The storage management system of claim 1, wherein the behavioral attributes are independent of physical characteristics of the one or more storage devices in the external storage subsystem.

11. (proposed) A method for managing one or more storage volumes of an external storage subsystem by a computer comprising:

receiving, via an application programming interface (API) presented by a volume provider on the computer, storage access information that characterizes volume behavioral attributes of one or more storage volumes; and

configuring, by the volume provider, one or more storage volumes of the external storage subsystem as a function of the storage access information and physical characteristics of the external storage subsystem.

29. (newly proposed) The method of claim 11, wherein receiving comprises:  
receiving the storage access information from an application on the computer that does not have knowledge of the physical characteristics of the storage devices.

30. (newly proposed) The method of claim 11, wherein configuring comprises:  
performing disk extent mapping, disk space allocation and mapping type selection based on the volume behavior attributes, wherein the storage access

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information that communicates volume behavioral attributes is independent of the physical characteristics of the one or more storage devices in the external storage subsystem.